"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

GLAZUNOV, I.F.; LAVRENT'YEV, N.G.; MALINOVSKIY, N.A.; RYASNOY, Ye.A.; PREDKO, I.N., gornyy tekhnik

Role of the section head and the mine foreman in mining operations. Gor. zhur. no. 12:14-16 D '65. (MIRA 18:12)

1. Glavnyy inzhener Zyryanovskogo rudnika (for Glazunov). 2. Nachal'nik uchastka Zyryanovskogo rudnika (for Lavrent'yev). 3. Nachal'nik otdela truda i zarabotnoy platy Zyryanovskogo rudnika (for Malinovskiy). 4. Pomoshchnik glavnogo inzhenera po organizatsii truda rudnika imeni 40-letiya VLKSM Leninogorskogo polimetallicheskogo kombinata (for Ryasnoy).

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

36927
S/081/62/000/007/011/033
B156/B101

11,0132

AUTHOR: Ryasnyanskaya, A. C.

TITLE: Determination of elementary sulfur in jet fuels

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 7, 1962, 161, abstract 7D214 (Sb. "Khimiya seraorgan. soyedineniy, soderzhashchikhsya v neftyakh i nefteproduktakh. v. 4". M., Gostoptekhizdat, 1961, 71-74)

TEXT: A titrimetric method has been developed for determining the elementary S in jet fuels; the method consists of the direct titration of a water-acetone solution of the fuel (Fu) with an alkaline solution, in the presence of bromocresol purple (I). Weighed amounts of 10-15 g of Fu are heated, in 100 ml of water-acetone solution (60 ml of water to 1 l of acetone), to boiling point in a flask with a reflux condenser, and the hot mixture is titrated with an 0.003-0.005 N solution of NaOH in isopropyl alcohol containing 20% of water, from a 2-5-ml capacity microburet, in the presence of two droplets of an 0.5% solution of I. Titration and periodic heating are continued until a steady, bluish-violet

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Determination of elementary ... S/081/62/000/007/011/033
B156/B101

color is produced. The NaOH is titrated for sulfur. The Fu is first treated with C_2H_5OH in the presence of naphthenic acids (where the Fu is very acid). If mercaptanes are present, the results are incorrectly low, and they are therefore removed before analysis. For this purpose, 30-40 ml of the Fu is shaken up in a separating funnel for 5 min with 80-100 ml of C_2H_5OH, 10-15 ml of water added, and the layer of Fu removed; to the Fu is then added 50 ml of a 20% solution of $CuCl_2$ acidified with 3-4 ml of an 0.1 N solution of HCl, and the whole then shaken up for 15 min. The layer of Fu is removed and twice washed in distilled water. The error of the method is ± 0.0002 abs.%.
[Abstracter's note: Complete translation.]

Card 2/2

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

SIMONENKO, L.L.; ROZENBERG, A.M.; RYASNYANSKIY, B.A.; SOKOV, N.A.; TOL'SKAYA, S.Ye.; TROYANSKIY, A.M.; TSUKANOV, P.P., kandidat tekhnicheskikh nauk, redaktor; VERINA, G.P., tekhnicheskiy redaktor

[The Donets railway's advanced method of track maintenance] Peredovye metody truda puteitsev Donetskoi dorogi. Moskva, Gos. transp.zhel-dor.izd-vo, 1956. 110 p. (MLRA 9:8)
(Railroads--Track)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

SAKHOKIYA, B.; RYASNYANSKIY, D. (Samarkand)

With the aid of the budget commission. Fin.SSSR 19 no.11:56-57 N '58. (MIRA 12:7)

(Samarkand--Budget)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

ALABUZHEV, P.M., prof.; RYASHENTSEV, N.P., inzh.; TIMOSHENKO, Ye.M., inzh.

Investigation of solenoid impact machines. Izv.vys.ucheb. zav.; gor.zhur. no.2:89-97 '59. (MIRA 13:4)

1. Tomskiy ordena Trudovogo Krasnogo Znameni politekhnicheskiy institut. Rekomendovana kafedroy gornykh mashin i rudnichnogo transporta.

(Solenoids)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYASHENTSEV, N.P., inzh.

Synchronous sparkless cam-type switch. Izv.vys.ucheb.zav.; gor.zhur. no.7:142-148 '59. (MIRA 13:4)

1. Tomskiy ordena Trudovogo Krasnogo Znameni politekhnicheskiy institut imeni S.M.Kirova. Rekomendovana gornykh mashin i rudnichnogo transporta.
(Electricity in mining)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYASNYANSKIY, S.N., gen. sht. polkovnik

[The Tenth Ingermanland Hussar Regiment; 1704-1954] 10 gusarskii Ingermanlandskii polk; 1704-1954 [New York, N.Y., 1954?] 30 p.
(Russia--History, Military) (MIRA 8:2)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

[redacted], V.S.; ALEKSANDROV, A.Yu.; RYAZNYY, G.K.; [redacted], S.Yu.

Asymmetry of the doublet in Mossbauer resonance absorption spectra in certain organic compounds of tin. Zhur. eksp. i teor. fiz. 48 no.1:69-71 Ja '65. (MIRA 18:4)

1. Institut yadernoy fiziki Moskovskogo gosudarstvennogo universiteta.

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

L 1606-66 EWT(1)/ IJP(c)

ACCESSION NR: AP5014560 UR/0181/65/007/006/1657/1662 31 23 B

AUTHORS: Bykov, G. A.; Ryasnyy, G. K.; Shpinel', V. S. 44,55 44,55 44,55

TITLE: Mossbauer spectra in the presence of electric quadrupole and magnetic interactions

SOURCE: Fizika tverdogo tela, v. 7, no. 6, 1965, 1657-1662

TOPIC TAGS: Mossbauer effect, tin, electric quadrupole interaction, magnetic interaction, line splitting, doublet structure

ABSTRACT: It is shown theoretically that a method in which an external magnetic field is applied to a polycrystalline absorber capable of producing a doublet due to quadrupole splitting yields information capable of explaining the nature of the quadrupole interaction, permits measurement of the magnetic moment of the excited state of the Mossbauer nucleus, permits determination of the magnitude of the quadrupole splitting, and permits determination of the asymmetry coefficient of the electric field gradient and of the sign of the quadrupole interaction constant. The experiments were carried

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L 1606-66

ACCESSION NR: AP5014560 3

out with an SnO_2 source of thickness 25 mg/cm^2 and emission half width of 0.75 ± 0.05 mm/sec. The absorber was $(C_6H_5)SnCl_2$ of thickness 150 mg/cm^2. The absorber was sealed in Plexiglass and placed in a magnetic field. The gamma quanta were registered with a scintillation counter. The absorption spectrum was measured for an external magnetic field of 24.2 ± 0.7 kOe. The absorption spectrum exhibited a resonant behavior due to the two-component nature of the central peak, making it possible to determine the magnetic moment of the excited state of the Sn^{119} nucleus. It is shown theoretically that the Mossbauer spectra exhibit certain common properties in the presence of electric quadrupole and magnetic interactions. From the ratio of the intensities of the outer peaks to the central one (which always exceeded 0.5) it is deduced unambiguously that the interaction causing the doublet structure of the spectrum of the absorber is quadrupole in nature. Furthermore, it is shown that the signs of the magnetic moments of the ground and excited states of the nucleus (Sn^{119}) are opposite. 'I thank N. N. Delyagin for participating in a discussion

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Card 2/3

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

L 1606-66

ACCESSION NR: AP5014560

of the results.' Orig. art. has: 3 figures and 8 formulas

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University) 44,55

SUBMITTED: 17Nov64 ENCL: 00 SUB CODE: SS

NR REF SOV: 004 OTHER: 004

Card 3/3

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

L 28756-65 EWT(m)/EPF(c)/EWP(j) Pc-4/Pr-4 RM

ACCESSION NR: AP5004375 S/0056/65/048/001/0069/0071

33
29
B

AUTHOR: Shpine;', V. S.; Aleksandrov, A. Yu.; Ryasnyy, G. K.; Okhlobystin, O. Yu.

TITLE: Asymmetry of the doublet in Mossbauer resonance absorption spectra of some organic compounds of tin

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 48, no. 1, 1965, 69-71

TOPIC TAGS: tin, Mossbauer effect, asymmetry, line width, doublet splitting

ABSTRACT: The asymmetry of the doublet in the resonance absorption spectrum of $(C_6H_5)_2SnCl_4$, noted first by Bryukhanov et al. (ZhETF v. 43, 448, 1962), is considered. Various experiments carried out to find the cause of this asymmetry in a polycrystalline sample are described. The measurements were made with constant-velocity apparatus, using a source of Sn^{119} in the form of SnO_2 and Mg_2Sn. The gamma quanta were detected by a standard scintillation method using a resonant counter. The spectra obtained upon application of a magnetic field to the absorber showed that the doublet structure is actually due to quadrupole interaction. NMR magnetic measurements of this compound, made by I. F. Shchegolev of the In-

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

L 28756-65

ACCESSION NR: AP5004375 4

stitut fizicheskikh probem (Institute of Physical Problems) AN SSSR, have shown that there are no regions with unpaired spins in this molecule, and that the asymmetry of the doublet has no magnetic origin. Later investigations have established that after careful purification and recrystallization of the sample, carried out at Institut elementoorganicheskikh soyedineniy (Institute of Organoelemental Compounds) AN SSSR, the resonance absorption spectrum became a symmetrical doublet. It is concluded from the results that some tin-organic fractions are present in this compound and that the spectrum is the result of superposition of the two spectra, of $(C_2H_4)_2SnCl_2$ and $(C_6H_5)_2SnCl_2 \cdot nH_2O$. The asymmetry is obtained when the components near zero velocity coincide while the other two are shifted somewhat relative to each other. "We thank I. F. Shchegolev for the NMR measurements." Orig. art. has: 1 figure.

ASSOCIATION: Institut yadernoy fiziki Moskovskogo gosudarstvennogo universiteta (Institute of Nuclear Physics, Moscow State University)

SUBMITTED: 03Jul64 ENCL: 00 SUB CODE: NP, IC

NR REF SOV: 004 OTHER: 000

Card 2/2

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYASSKIY, V. Ya.

"Methods of Raising Lemons on the Southern Shore of the Crimea." Cand Agr Sci, Chair of Fruit Growing, Fruit and Vegetable Inst imeni I. V. Michurin, Min Higher Education USSR, Yalta-Michurinsk, 1954. (KL, No 14, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

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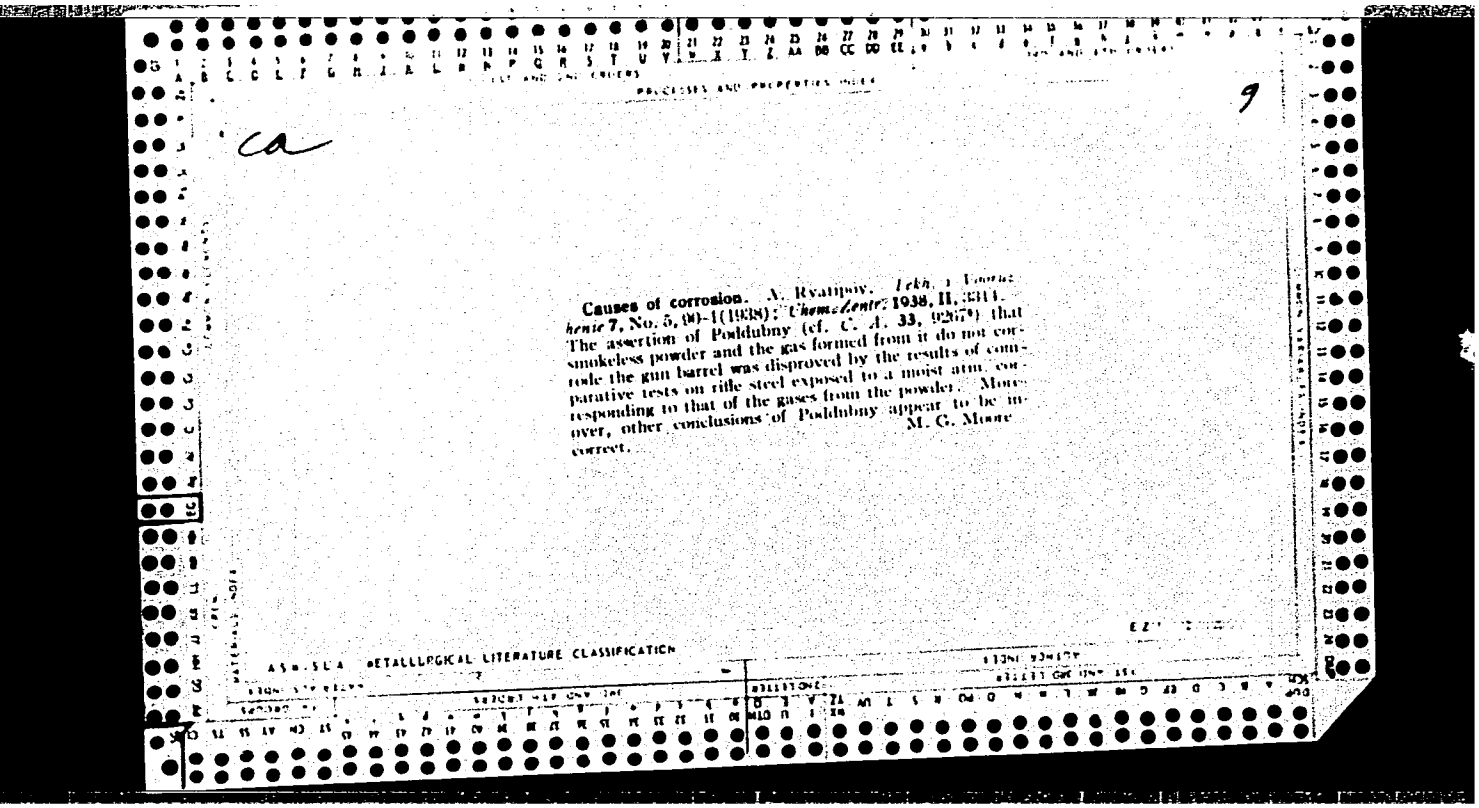

ca

9

Causes of corrosion. A. Ryampiv. *Tekh. i Ekonomika Chernoi Metallurgii* 7, No. 5, 30–1(1938); *Chem. Zentr.* 1938, II, 3311. The assertion of Poldubny (cf. *C. A.* 33, 9267⁸) that smokeless powder and the gas formed from it do not corrode the gun barrel was disproved by the results of comparative tests on rifle steel exposed to a moist atm. corresponding to that of the gases from the powder. Moreover, other conclusions of Poldubny appear to be incorrect.

M. G. Moore

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

S/062/60/000/008/009/012
B004/B054

AUTHORS: Minachev, Kh. M., Ryashentseva, M. A., and Rudenko, B. A.

TITLE: Transformations of n-Hexane, Methyl Cyclopentane, and Cyclohexane on Rhenium - Alumina Catalyst at Increased Hydrogen Pressure

PERIODICAL: Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk, 1960, No. 8, pp. 1471-1480

TEXT: In the introduction, the authors give a review of publications concerning rhenium catalysts: papers by M. S. Platonov et al. (Refs. 1-7), A. A. Balandin et al. (Ref. 8), and an East German patent (Ref. 9). The present paper reports on the experimental examination of rhenium catalysts. Catalysis was carried out at temperatures of 290 - 480°C, a hydrogen pressure of 5-30 atm, and a ratio of hydrogen : hydrocarbon = 5 : 1. The catalysts with 5 and 15% of Re on Al_2O_3 showed little activity. Up to 78% of aromatic compounds could be obtained from cyclohexane at 385°C and 5 atm of H_2-pressure with a catalyst containing 20% of Re. An admixture of 5%

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of Zn, or a treatment with HF, had no influence on the activity of this catalyst. Higher temperatures and high H_2-pressure produced cracking. The catalysts were produced by dissolving metallic rhenium in HNO_3 on the water bath, impregnating the Al_2O_3, annealed for 5 h at 500°C and pressed to cylinders 5 by 5 mm, with rhenic acid, drying at 130°C (3 - 4 h), and reducing by means of hydrogen at 470 - 480°C (10 h). The products of catalysis were analyzed by determining the specific gravity and the refractive index, as well as the aromatic fraction (reaction with H_2SO_4). In part, a gas-chromatographic separation was made at 50°C in a column 2 m long which contained kieselguhr impregnated with tricresyl phosphate. Hydrogen was used as a carrier. The separating effect of the column was checked by means of an artificial mixture of various hydrocarbons (Table 1, Fig. 1). Only the mixture of n-hexane with cyclopentane could not be separated, so that the composition of this fraction had to be clarified by determining the boiling point. At 385°C and 5 atm, the catalysis of cyclohexane (Table 2, Fig. 2) yielded 34% of aromatic hydrocarbons in the aromatic fraction. [Abstractor's Note: This contradicts the statement that 78% of aromatic hydrocarbons were

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obtained.] The rest consisted of non-reacted cyclohexane, alkanes, and 4.6% of methyl cyclopentane. The catalysis of n-hexane (Table 3) (300°C, 5 atm) and methyl cyclopentane (Table 4) (305°C, 5 atm) yielded only negligible amounts of aromatic hydrocarbons. The formation of methyl cyclopentane (0.2%) was observed in the case of n-hexane, and the formation of cyclopentane (1.5%) and cyclohexane (1.4%) in the case of methyl cyclopentane. There are 2 figures, 4 tables, and 13 references: 11 Soviet, 1 British, and 1 Eastern German.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR
(Institute of Organic Chemistry imeni N. D. Zelinskiy of the Academy of Sciences, USSR)

SUBMITTED: March 13, 1959

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

KUDRYAVTSEVA, N.A.; TARASOV, A.I.; Prinimali uchastiye: SHCHIPANOVA, A.I.; RYASOVA, Ye.S.; CHESNOKOVA, R.I.

Chromatographic investigation of gaseous hydrocarbons dissolved in oil. Khim i tekh. topl. i masel 9 no.5:32-36 5 My'64
(MIRA 17:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gaza i polucheniyu iskusstvennogo zhidkogo topliva (for Kudryavtseva, Tarasov).

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

VANYUKOVA, O.P.; DREYSIN, G.I.; LUK'YANOVA, Ye.D.; RYATOVA, G.S.; SAMOYLOVA, L.G.; IL'VOVSKIY, S., otv. red.; [redacted], tekhn. red.

[Expenditures for social and cultural measures from the state budget of the U.S.S.R.; statistical abstract] Raskhody na sotsial'no-kul'turnye meropriiatiia po gosudarstvennomu biudzhetu SSSR; statisticheskii sbornik. Moskva, Gosfinizdat, 1958. 90 p. (MIRA 16:7)

1. Russia (1923- U.S.S.R.) Byudzhetnoye upravleniye. 2. Otdel finansovo-ekonomicheskoy statistiki Byudzhetnogo upravleniya Ministerstva finansov SSSR (for Vanyukova, Dreysin, Luk'yanova, Ryatova, Samoylova). (Budget).

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

VANYUKOVA, O.P.; DREYSIN, G.I.; LUK'YANOVA, Ye.D.; RYATOVA, G.S.; SAMOYLOVA, L.G.; DARKOV, G.V.; IL'VOVSKIY, S., otv.red.; LEBEDEV, A., tekhn.red.

[Expenditures on social and cultural measures in the state budget of the U.S.S.R.; a statistical manual] Raskhody na sotsial'no-kul'turnye meropriiatiia po gosudarstvennomu biudzhetu SSSR; statisticheskii sbornik. Moskva, Gosfinizdat, 1958. 90 p. (MIRA 12:1)

1. Russia (1923- U.S.S.R.) Biudzhetnoye upravleniye. 2. Otdel finansovo-ekonomicheskoy statistiki Byudzhetnogo upravleniya Ministerstva finansov SSSR (for Vanyukova, Dreysin, Luk'yanova, Ryatova, Samoylova, Darkov).

(Budget)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

Ryatsep, E. A., Cand of Agri Sci -- (diss) "Typical Rations for Sire Boars in the Tupping Period," Tartu, 1959, 22 pp (Estonian Agricultural Academy) (KL, 8-60, 118)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYATSEP, V. I.

RYATSEP, V.I. [Rätsep, V.I.] (Tallinn, ul. Pronksi, d.5, kv.6)

Cancer of the lip; according to materials of Tallinn Republic Oncological Dispensary. Vop.onk. 3 no.3:343-347 '57. (MLRA 10:8)

1. Iz khirurgicheskogo otdeleniya (zav. - A.N.Gavrilov) Tallinskogo respublikanskogo onkologicheskogo dispansera Estonskoy SSR (glvan. vrach - G.I.Triip)
(LIPS, neoplasms
statist. (Rus))

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

Ryatova, G.S.

VANYUKOVA, O.P.; GOROSHKINA, N.A.; DREYSIN, G.I.; LUK'YANOVA, Ye.D.; RYATOVA, G.S.; SAMOYLOVA, L.G.; DARKOV, G.V.; LEBEDEV, A., tekhn.red.

[State budgets of the Union republics in the fifth five-year plan; a statistical manual] Gosudarstvennye biudzety soiuznykh respublik v piatoi piatiletke; statisticheskii sbornik. Moskva, Gosfinizdat, 1957. 174 p. (MIRA 10:12)

1. Russia (1923- U.S.S.R.) Byudzhetnoye upravleniye. (Budget)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAUZOV, A.N.,
N. P. MAREEV, Russ. 39,320, Oct. 31, 1934.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAUZOV, A. N., (Engineer)

A. N. Ryauzov, engineer, helped appraise the book, CHEMISTRY AND TECHNOLOGY OF ARTIFICIAL FIBERS, (Khimiya i tekhnologiya iskusstvennykh volokon) by Z. A. Rogovin.

SO: A. I. B. Library of Congress (Call No. TS1548.5.R6)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAUZOV, A. N.

Technology of artificial fibers. 2. izd., ispr. i dop. Moskva, Gos. nauchno-tekhn. izd-vo legkoi promyshl., 1952. 495 p. (53-28129)

TS1548.5.R5 1952

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

DICH, S.L.; RYAUZOV, A.N.

Selecting practical packing and twist degree for rayon. Tekst. prom. 14 no.11:23-25 N '54. (MLRA 8:1)

1. Glavnyy inzhener Giproiv (for Dich). 2. Glavnyy inzhener proyekta Giproiv (for Ryauzov).
(Rayon)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAUZOV, A.N.

ARTEMENKOV, Mikhail Alekseyevich; GEYSBERG, S.M., retsenzent; RYAUZOV, A.N., redaktor; SEGAL', N.M., redaktor; MEDVEDEV, L.Ya., tekhnicheskiy redaktor

[Safety engineering in the manufacture of viscose fiber, cellophane, and caprone silk] Tekhnika bezopasnosti pri proizvodstve viskoznogo volokna, tsellofana i kapronovogo shelka. Pod red. A.N.Riauzova. Moskva, Gos.nauchno-tekhn.izd-vo M-va legkoi promyshl.SSSR, 1957. 140 p. (MLRA 10:8)

(Textile industry--Safety measures)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAUZOV, A.N., inzh.

"Reference book on analytical control in the manufacture of artificial and synthetic fibers." Reviewed by A.N.Riauzov. Khim. volok. no.3:77 '59. (MIRA 12:11)
(Textile fibers, Synthetic)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAUZOV, A.N., inzh.

"Synthetic fibers" compiled by G.E.Birger and others. Reviewed by A.N.Riauzov. Khim.volok. no.3:78 '59. (MIRA 12:11)
(Textile fibers, Synthetic)
(Birger, G.E.)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAUZOV, A.N.

Balakovo Artificial Fiber Combine. Khim.volok. no.3:25-28 '60. (MIRA 13:7)

1. Gosudarstvennyy institut po proyektirovaniyu predpriyatiy iskusstvennogo volokna.
(Balakovo--Textile fibers, Synthetic)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAUZOV, Aleksandr Nikolayevich; SADE, L.S., red.; MOGILEVSKIY, Ye.M., nauchn. red.

[Technology of synthetic fibers; production of viscose fibers] Tekhnologiia khimicheskikh volokon; proizvodstvo viskoznogo volokna. Moskva, Vysshaia shkola, 1964. 114 p. (MIRA 18:3)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAUZOV, A.N.; GRUZDEV, V.A.; KOSTROV, Yu.A.; SIGAL, M.B.; GERSHMAN, B.G., red.; VYATKINA, N.V., red.

[Technology of the manufacture of synthetic fibers] Tekhnologiia proizvodstva khimicheskikh volokon. Moskva, Khimiia, 1965. 516 p. (MIRA 18:8)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

SEGAL, V.S., inzh.; RYAUZOV, M.P.

Mechanized laying of concrete gutters of landing and take-off strips.
Avt. dor., 26 no.2:10-11 F '63. (MIRA 16:4)
(Airport drainage) (Concrete construction)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

SEGAL, V.S., inzh.; RYAUZOV, M.P., inzh.

Magnetic mercury relay for regulating the supply of loose materials and fluids. Avt.dor. 26 no.9:28-29 S '63. (MIRA 16:10)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAUZOV, N. and TITEL'BAUM, N.

"Trade Statistics", published by State Publishers of Planning Literature, Moscow, 1947

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAUZOV, NIKOLAY NIKOLAYEVICH

N/5
611.91
.R9111

Bankovskaya statistika (Banking Statistics, by) N. Ryauzov (I) A. Tertis. Moskva, Gosfinizdat, 1956.

231 p. tables.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAZOV, Nikolay Nikolayevich

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1956

STATISTIKA SOVETSKOY TORGOVLI (STATISTICS OF SOVIET TRADE, BY) N. N. RYAZOV (1) N. P. TITLL'BAUM. IZD. 3., PERER. MOSKVA, GOSSTATIZDAT, 1956. 271 P. TABLES. BIBLIOGRAPHICAL FOOTNOTES.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAUZOV, N.

Collection on the development of Soviet trade. ("Soviet trade." Reviewed by N. Riauzov). Vop. ekon. no.3:134-137 Mr '57. (MLRA 10:6)
(Russia--Commerce--Statistics)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAUZOV, N.

2-5-4/11

AUTHOR: Ryauzov, N.

TITLE: The Soviet Statistical Science on the 40th Anniversary of the Great Socialist October Revolution (Sovetskaya statisticheskaya nauka k 40-y. godovshchine velikoy oktyabr'skoy sotsialisticheskoy revolyutsii)

PERIODICAL: Vestnik Statistiki, 1957, # 5, pp 40-51 (USSR)

ABSTRACT: The article deals with the development of Soviet Statistical Science and the present task of Soviet statistics. After having given a concise historical survey on Soviet statistics, the author mentions the attempts of some Soviet scientists to use statistics for counter-revolutionary purposes, by propagating destructive bourgeois and trotskist theories (Groman, Bazarov, Kondrat'yev). The author finds flattering words for Professor B. S. Yastremskiy, who criticized the pseudo-mathematical trend in bourgeois statistics.

Referring to the publication of post-war statistical literature, the author mentions: In 1945 a text-book on agricultural statistics was published containing the basis of the general theory by the Academician V. S. Nemchinov

Card 1/3

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The Soviet Statistical Science on the 40th Anniversary of the Great Socialist October Revolution

(Uchebnik po sel'skokhozyaystvennoy statistike s osnovami obshchey teorii). On industrial statistics works have been published by Professor D. V. Savinskiy, G. I. Baklanov, A. I. Yezhov, L. M. Volodarskiy; on demographic statistics by Professor A. Ya. Boyarskiy and Docent Professor I. I. Shusherin; on Soviet Trade Statistics by N. N. Ryauzov and Docent Professor N. P. Titel'baum. Textbooks on economical Statistics are published by Professor A. I. Gozulov and by scientists under the supervision of Professor A. I. Petrov. In 1953, the Theory of Statistics (Teoriya statistiki) was published, prepared by a TsSU SSSR team, the 2nd edition has been published in 1956. In 1956 a team, led by the Academician of the USSR Academy of Sciences S. G. Strumilin published a textbook "Statistics" and an instructor team of the Moscow Institute of Economical Statistics a "Course of Theoretical Statistics" (Kurs obshchey teorii statistiki). Many works have been published on special statistical problems. The author mentions in this connection the Member Correspondent of the USSR Academy of Sciences M. V. Ptukhi

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

The Soviet Statistical Science on the 40th Anniversary of the Great Socialist October Revolution

and his research work on statistical history and also the works of Professor A. A. Rodshteyn on industrial statistics.

Professor V. S. Nemchinov, Academician, has produced many works on agricultural statistics and the Academician S. G. Strumilin solved problems of national economy balance.

After having treated some special problems of Soviet statistics and pointed out the essential difference between the Soviet and the bourgeois statistics, the author deals with present and future tasks of Soviet statistical science.

AVAILABLE: Library of Congress

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAUZOV, N.

New book on the economics of statistics ("Statistical method for the study of the national economy" by T.V. Riabushkin. Reviewed by N. Riauzov). Vop. ekon. no.3:141-145 Mr '58. (MIRA 11:4)
(Statistics)
(Riabushkin, T.V.)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

TENENBAUM, Matvey Vasil'yevich. Prinimali uchastiye: NOTKIN, Vladimir Yefimovich; BATUROV, Gleb Nikolayevich; BELOV, Konstantin Aleksandrovich. RYAUZOV, N.N., prof., red.; KRESINA, I.Ya., red.izd-va; FOMICHEV, P.M., tekhn.red.

[Statistics of Soviet consumers' cooperative societies] Statistika sovetskoi potrebitel'skoi kooperatsii. Izd.3., ispr. i dop. Pod red. N.N.Riauzova. Moskva, Izd-vo TSentrosoiuza, 1959. 308 p. (MIRA 13:4)
(Cooperative societies--Statistics)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

30(5) SOV/2-59-5-7/10

AUTHOR: Ryauzov, N.

TITLE: S.M. Yugenburg "Index Method in Soviet Statistics" - Gosstatizdat 1958 (S.M. Yugenburg "Indeksnyy metod v sovetskoy statistike". Gosstatizdat, 1958g)

PERIODICAL: Vestnik statistiki, 1959, Nr 5, pp 68-71 (USSR)

ABSTRACT: This is a review of the above book.

Card 1/1

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

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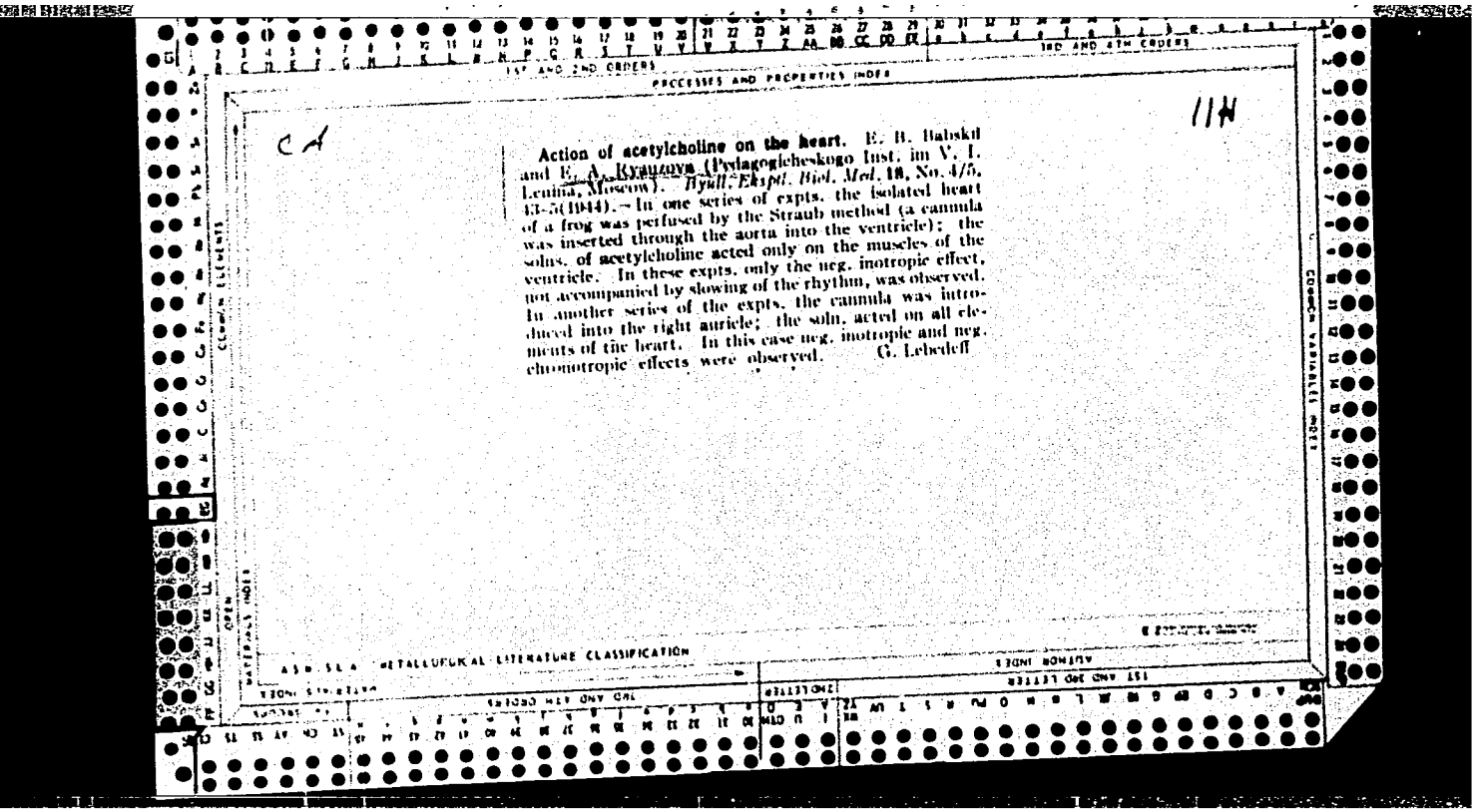

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Action of acetylcholine on the heart. E. B. Babskil and E. A. Kryazova (Pedagogicheskogo Inst. im V. I. Lenina, Moscow). *Byull. Eksptl. Biol. Med.* **18**, No. 4/5, 43-5(1944).—In one series of expts. the isolated heart of a frog was perfused by the Straub method (a cannula was inserted through the aorta into the ventricle); the solns. of acetylcholine acted only on the muscles of the ventricle. In these expts. only the neg. inotropic effect, not accompanied by slowing of the rhythm, was observed. In another series of the expts. the cannula was introduced into the right auricle; the soln. acted on all elements of the heart. In this case neg. inotropic and neg. chronotropic effects were observed. G. Lebedeff

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAUZOV, Nikolay Nikolayevich, prof.; TERTUS, Andrey Fomich; FOGODIN, Yu., red.; TELEGINA, T., tekhn. red.

[Bank statistics] Bankovskaia statistika. Izd.2., perer. i dop. Moskva, Gosfinizdat, 1961. 235 p. (MIRA 14:11)
(Banks and banking—Statistics)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAUZOV, NIKOLAY NIKOLAYEVICH

Statistika torgovli /by/ N. N. Ryauzov /1/ N. P. Titel'baum. Izd. 4., perer. Moskva, Gosstatizdat, 1961.

326 p. tables.

Bibliographical footnotes.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAUZOV, N.N., prof.; ISHKOVA, A.K., red.; SUDAK, D.M., tekhn. red.

[Statistics of Soviet commerce] Statistika sovetskoi torgovli. Moskva, Gostorgizdat, 1948. 117 p. (MIRA 14:8)
(Russia—Commerce)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAUZOV, Nikolay Nikolayevich; TITEL'BAUM, Nikolay Petrovich; MASHIKHIN, Ye.A., red.; KLAPTSOVA, T.F., tekhn. red.

[Trade statistics]Statistika torgovli. Izd.4., perer. Moskva, Gosstatizdat TsSU SSSR, 1961. 326 p. (MIRA 14:8)
(Russia--Commerce)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAUZOV, V.S.; SUVOROV, A.S.; SMIDOVICH, Ye.V.

Grinding powder material by gas expansion. Trudy MINKHiGP no.37: 165-175 '62. (MIRA 17:3)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAUZOV, V.V., inzh.

Reinforced panels from chips for the production of furniture.
Der. prom. 13 no.2:24 F '64. (MIRA 17:3)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAUZOV, Yu.A. (Moskva)

Coordination of the movements of the upper extremities on a horizontal plane. Gig.turda i prof.zab. no.11:7-13 '61. (MIRA 14:11)

1. Moskovskiy oblastnoy pedagogicheskiy institut imeni N.K. Krupskoy.

(EXTREMITIES, UPPER)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

VARSHALOVICH, Aleksandr Aleksandrovich; SHUTOVA, N.N., spets.red.; RYAUZOVA, N.F., red.; PECHENKIN, I.V., tekhn.red.

[Manual for roentgenographic entomological examination of quarantinable seeds] Rukovodstvo po karantinnoi entomologicheskoi ekspertize semian metodom rentgenografii. Moskva, Izd-vo M-va sel'khoz.SSSR, 1958. 92 p. (MIRA 13:4)
(Seeds--Inspection)
(X rays--Industrial applications)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAVOV, A. V.

35855 RYABOV, A. V., NEYMAN, M. B., PETUKHOVSKAYA, T. A., I SHEYANOVA, YE. M.

Elektrovosstandyleniye bromuksusnoy kisloty i bromoforma na rtutnom kapel'nom katode. AVT: M. B. Neyman, T. A. Petukhovskaya, A. V. Ryavov i Ye. M. Sheyanova. Zavodskaya laboratoriya, 194[illegible], No. 77, s. 1277-80

SO: Letopis' Zhurnal'nykh Statey, Vol. 39, Moskva, 1949

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

BUKSHTYNOV, Aleksey Danilovich; LOSITSKIY, K.B., otv.red.; RYAUZOVA, N.F., red.; PECHENKIN, I.V., tekhn.red.

[Forest resources of the U.S.S.R. and the world] Lesnye resursy SSSR i mira. Moskva, Izd-vo M-va sel'.khoz.SSSR, 1959. 60 p. (MIRA 13:6)

1. Chlen-korrespondent Vsesoyuznoy ordena Lenina akademii sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Bukshtynov).
(Forests and forestry)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAVKIN, I.

Gas and Oil Engines

Filling in bushings of the engine KDM-46.
MTS 12 No. 4, 1952

Monthly List of Russian Accessions, Library of Congress, August 1952. UNCLASSIFIED.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

SOV/124-57-4-4620

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 4, p 108 (USSR)

AUTHOR: Ryayamet, R. K.

TITLE: The Critical Loading of a Conical Shell Subjected to a Uniformly Distributed External Pressure (Kriticheskaya nagruzka konicheskoy obolochki, nakhodyashcheysya pod deystviyem ravnomerno raspredelennogo vneshnego davleniya)

PERIODICAL: Tr. Tallinsk. politekhn. in-ta, 1955, Vol A, Nr 65, pp 76-85

ABSTRACT: The buckling stability of a complete circular conical shell clamped along its base is examined on the premise of linearity. The equations of local buckling proposed by Kh. M. Mushtari (Prikl. matem. i mekhanika, 1939, Vol 2, Nr 4) are utilized in the determination of the critical loading. By disregarding the square of the frequency of the wave initiated longitudinally, in comparison with the square of the frequency of the peripheral waves, the author reduces the system of equations of the eighth order to a common equation of the fourth order with variable coefficients. The critical loading is determined with the aid of a suitable variational equation. A formula which may be conveniently employed in practical applications is given.

A. V. Sachenkov

Card 1/1

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAYAMET, R. K.

"Stability of Equivalence of an Elastic Conical Shell Under the Action of a Uniformly Distributed External Pressure." Cand Tech Sci, Tallin Polytechnical Inst, Tallin, 1954. (RZhMekh, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No. 521, 2 Jun 55

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

SOV/124-58-11-13015

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 11, p 165 (USSR)

AUTHOR: Ryayamet, R. K.

TITLE: Equilibrium of Thin-walled, Elastic, Conical Shells in the Post-critical (Post-buckling) Stage (Ravnovesiye tonkostennykh uprugikh konicheskikh obolochek v poslekriticheskoy stadii)

PERIODICAL: Tr. Tallinsk. politekhn. in-ta, 1956, Vol A, Nr 82, pp 104-115

ABSTRACT: The author examines the "large-scale" stability of conical shells (comprising the apex) subjected to uniformly distributed external pressure. The circular bases of the shells are rigidly fixed. It is assumed that the contour of the curved surface varies only slightly in comparison with the moment of bifurcation of the equilibrium shapes. It is also assumed that the magnitudes of the stress functions on the middle surface and the deflection function remain essentially unchanged if differentiation is carried out with respect to the variable $x=s/s_o$ (the abscissa s is measured along the generatrix starting from the apex; s_o is the total length along the generatrix). At the same time, however, these functions increase by a factor of $\epsilon^{-0.5}$ if differentiation is carried out with respect to the

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Equilibrium of Thin-walled, Elastic, Conical Shells in the Post-critical (cont.)

angle of longitude θ; here

$$\epsilon^2 = \frac{\tan\beta}{\sqrt{12(1-\nu^2)}}\,\frac{t}{s_0}$$

where t is the thickness of the shell, β one-half of the apex angle, ν is Poisson's ratio. Utilizing the above assumptions, the basic differential equations of the problem may be presented in the simplified form:

$$\psi'' \sin^2\beta + \frac{\epsilon^2}{x^3\sin^2\beta}\phi\cdot\cdot\cdot\cdot + \epsilon\left(\frac{1}{x}\psi''\psi\cdot\cdot - \frac{1}{x}\psi'\psi'\cdot + \frac{2}{x^2}\psi'\cdot\psi\cdot - \frac{1}{x^3}\psi\cdot\psi\cdot\right) = 0 \qquad (1)$$

$$\phi''\sin^2\beta - \frac{\epsilon^2}{x^3\sin^2\beta}\psi\cdot\cdot\cdot\cdot - \epsilon\sigma\psi\cdot\cdot + \epsilon\left[\frac{1}{x}\psi''\phi\cdot\cdot - \frac{2}{x}\left(\psi'\cdot - \frac{1}{x}\psi\cdot\right)\left(\phi'\cdot - \frac{1}{x}\phi\cdot\right) + \frac{1}{x}\psi\cdot\cdot\phi''\right] = 0 \qquad (2)$$

where ψ and ϕ are parameters corresponding to the deflection function and the stress function on the middle surface; σ is the parameter of the external load; primes refer to derivatives with respect to x and dots to derivatives with respect to θ. The deflection function is approximated by

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

Equilibrium of Thin-walled, Elastic, Conical Shells in the Post-critical (cont.)

$$\psi(x, \theta) = \psi_0(x) + \psi_1(x) \cos k\theta; \qquad \psi_1(x) = x^2 (1-x^2) a_r x^r$$

where the coefficient k is assigned the same value as in the solution of the linear problem on the "small-scale" stability of a shell; $r=2, 3, 4, 5$. The function ϕ is then determined from the strain-compatibility equation (1). The equilibrium equation (2) is integrated approximately by the Bubnov-Galerkin method. The change in the total energy of the system, as compared with the energy level corresponding to a given value of external pressure, is computed. Minimal energy values are obtained at $r=4$. Other forms of expressions for $\psi_1(x)$ are also examined. It is established that the axial symmetry of shells may be disturbed even if the pressures acting on the shells are smaller than the upper critical pressure. The loading at which the energy of the system after the deflection of the shell is equal to the energy of the initial state constitutes approximately 93% of the upper critical value. It is desirable that the calculations be carried on to determine the magnitude of the lower critical pressure.

A. S. Vol'mir

Card 3/3

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAYAMET, R. K.

"Critical Loading of a Conical Shell Subjected to the Force of a Uniformly Distributed External Pressure," by R.K. Ryayamet, Tr. Tallinsk. politekhn. in-ta, 1955, No 65, pp 76-85, (from Referativnyy Zhurnal -- Mekhanika, No 4, Apr 57, Abstract No 4620, by A.V. Sachyenkov)

"This article discusses the stability of a fully conical shell of circular cross section in a linear system which is fixed at the lower contour.

"The equations of local loss of stability, propounded by Kh. M. Mushtar (Prikl. matem. i mekhanika No 4, 1939), are used for determining the critical loading.

"Omitting the square of the wave frequency, which is formed in the longitudinal direction and is small in comparison with the square of the frequency of the surrounding waves, the author reduces the system of equations of the eighth order to one ordinary equation of the fourth order with variable coefficients. The critical loading is determined for the appropriate equation of variation. An example is given which is suitable for practical solution." (U)

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAYEV, S.D.

1. RYAYEV, S. D., YUZBASHINSK'YA, P. L.

2. USSR (600)

4. Liver-Glycogenic Function

7. Effect of carotonaphthalan on sugar synthesis in isolated cat liver. Trudy Vses. obshch. fiz. biokhim. i farm. no. 1 1952.

9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAZANIN, M.I., glavnyy redaktor; GEL'FREYKH, V.G., redaktor.

[Soviet architecture; yearbook] Sovetskaia arkhitektura. Ezhegodnik. Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture. No. 2. 1953. 188 p. (MLRA 7:1)

1. Institut teorii i istorii arkhitektury, Otdel arkhitekturnykh spravochnikov, Muzey Akademii arkhitektury SSR. (Architecture)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAZANKIN, K. G.

RYAZANKIN, K. G. --"Characteristic of the Correlations Between the Performance of Individual Parts and of the Entire Udder of Cows in Connection with Influence of External Conditions." *(Dissertations For Degrees In Science and Engineering Defended at USSR Higher Educational Institutions)(29) All-Union Sci Res Inst of Animal Husbandry, Laboratory of Physiology of Farm Animals, Moscow, 1955

SO: Knizhnaya Letopis' No 29, 16 July 1955

* For the Degree of Candidate in Biological Sciences

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

NAZAROV, V.V.; ALFEROVA, Z.V.; ROZHNOV, V.S., dots., kand. ekon. nauk, retsenzent; RYAZANKIN, V.N., prof., kand. tekhn. nauk, red.

[Programming economic problems on electronic computers; from practices in using the "Era" computer in the I.A. Likhachev Automobile Plant] Programmirovanie ekonomicheskikh zadach na elektronno-vychislitel'nykh mashinakh; iz opyta ekspluatatsii mashiny "Era" na avtozavode im. I.A.Likhacheva. Moskva, Mashinostroenie, 1965. 156 p. (MIRA 18:6)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

SARIN, Mikhail Il'ich; STUL'PINAS, Mechis Iuozo; RYAZANKIN, V.N., red.; POLOSINA, G.V., red.; PYATAKOVA, N.D., tekhn. red.

[The PR80-2 automatic perforator-reproducing machine]Reproduktor PR80-2 avtomaticheskii performator-reproduktsionnyi; konstruktsiia i ekspluatatsionnye svoistva. Pod red. V.N.Riazankina. Moskva, Gosstatizdat, 1962. 92 p. (MIRA 15:12)
(Punched card systems) (Electronic data processing)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

KRIUSHIN, V.N.; RYAZANKIN, V.N., prof., retsenzent; KURATSEV, L.Ye., red.izd-va; DEMKINA, N.F., tekhn. red.

[Relay attachments for T-5M tabulators and S45-6 sorting machines] Releinye pristavki k tabuliatoram T-5M i sortiroval'nym mashinam S45-6. Moskva, Mashgiz, 1963. 79 p. (MIRA 17:2)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

GALKIN, G.V.; GRANOVSKAYA, A.Yu.; MAKVETSOV, Ye.N.; SPIGLAZOV, Ye.F.; RYAZANKIN, V.N., red.; MAKAROV, M.S., red.

[Punched-card computing machines: P80-5, P80-6, PA80-2 perforators, K80-6, K45-6, KA80-2 controllers, and S80-5, S45-5, S80-5M, S45-5M sorting units] Schetno-perforatsionnye mashiny; perforatory P80-5, P80-6, PA80-2, kontrol'niki K80-6, K45-6, KA80-2 i sortirovki S80-5, S45-5, S80-5M, S45-5M. Moskva, Statistika, 1965. 207 p. (MIRA 18:9)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAZANKIN, V. N.

4525. RYAZANKIN, V. N.—Sovetskiye schetno-analiticheskiye mashiny. Mashiny 45-kolonnogo komplekta. m., Gosstatizdat, 1954. 376 s. s ill.; 2 L. chert. 26 sm. 7.000 ekz. 17 r. 50 k. v per. [55-145]p

681.177

SO: Knizhnaya Letopis', Vol. 1, 1956

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

PHASE I BOOK EXPLOITATION 1036

Ryazankin, V.N., Konoplev, V.V., and Dobetskiy, L.Yu.

Sovetskiye schetno-analiticheskiye mashiny; mashiny 80-kolonnogo komplekta (Soviet Punched-card Computing Machines; Machines With 80-Columns) Moscow, Gosstatizdat, 1957. 407 p. 10,000 copies printed.

Ed.: Shentsis, Ye.M.; Tech. Ed.: Pyatakova, N.D.

PURPOSE: The monograph is a handbook for engineering and technical personnel working with punched-card computing machines. It may also be used as a textbook for students of vtuzes and vuzes specializing in computers.

COVERAGE: The authors present a detailed description of the construction of punched-card computing machines. They discuss the electric circuits and the methods for adjusting and testing the machines. V N.Ryazankin wrote the Introduction and Chapter 4, V.V.Konoplev wrote Chapters 1 and 5, and L.Yu.Dubetskiy wrote Chapters 2 and 3.

Card ~~1/13~~

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

This book follows a previous publication by the same authors, "Soviet Punched-card Computing Machines; Machines With 45 Columns", 1954. No personalities are mentioned. There are no references.

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Introduction 3

Ch. I. The P80-2 Punch 12
General characteristics of the machine 12
Kinematic train mechanism of the punch 13
Construction, operation and adjustment of basic mechanisms of the punch 13
Frame and table of the punch 13
Mechanisms for feeding and stacking the cards 15
General principle of operation 15
Motor drive 16
Clutch mechanism 17
Feed mechanism 17

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APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RAKHMATULLIN, S. (Birsk); VATLETSOV, V. (Kirov); PAVLOV, A. (Moskva); RYAZANOV, A. (Sverdlovsk); PARAMONOV, N. (Maykop)

In local organizations of our patriotic society. Za rul. 19 no.10:3 O '61. (MIRA 14:11)
(Motor vehicles—Societies, etc.)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

AUTHORS: Vol'fson, A.I. Ryazanov, A.I., Chigrinova, G.D.

TITLE: Electrochemical Dissolution of Palladium in Hydrochloric Acid

PERIODICAL: Zhurnal Prikladnoy Khimii, 1961, Vol. 34, No. 1, pp. 173-176

TEXT: The present investigation was made to establish optimum conditions for an industrial electrochemical method of palladium chloride production. By the method of electrolysis without diaphragm anodic dissolution of refined palladium powder was investigated to a concentration of 300-320 g palladium chloride in 1 liter of electrolyte. Anodic dissolution of palladium was already studied [Ref.1: M.A. Klochko, V.S. Luneva, Izv.sektora platiny (Reports from the Platinum Sector), IONKh, AN SSSR, 27,239-244 (1952); Ref.2: M.A. Klochko, Z.S. Medvedeva. M.Ye. Mironova, Izv. sektora platiny, IONKh, AN SSSR, 28,274-276 (1954)] but with great volumes of electrolyte, i.e., at low $PdCl_2$ concentrations (6-8 g/l). These low concentrations are not interesting for industrial purposes. In the present work electrolysis was carried out in a glass cell using a Pt-wire cathode and as anode a graphite disk covered

Card 1/6

S/080/61/034/001/014/020

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

Electrochemical Dissolution of Palladium in Hydrochloric Acid

with the refined palladium powder. Hydrochloric acid (0.3-11 N) was used as electrolyte. Temperature constancy was established with a TC-15 (TS-15) thermostat and the electrode potentials were measured using a ППТВ-1 (PPTV-1) potentiometer. Polarization curves (Fig.2) were obtained using palladium metal laminas (1 cm^2) as anodes. Since the passivation of the anode depends on the solubility of $PdCl_2$ in the electrolyte, solubility of $PdCl_2$ in 0.3-11 N HCl was determined (Tab.1). Experimental results (Tab.2) demonstrate that with 25 a/dm^2 current density low current yields were obtained (66.6%), thus further experiments were made with lower current densities. Best results were observed with 6 N and 10 N HCl electrolytes with a current density at the anode of D_a= 6.25 and 7.5 a/dm^2. In the zone of the catholyte during electrolysis HCl was added periodically to avoid a decrease of the current yield with time. Concentrations of 275 g $PgCl_2/l$ were attained with a 92.5% current yield, but 350 g $PdCl_2/l$ only with a 90% current yield. Optimum conditions for the electrolysis are at D_a= 6-7 a/dm^2, electrolyte 10 N HCl, temperature 25-30°C. Maximum concentration of $PdCl_2$ is 350 g/l, above this limit anodic dissolution of $PdCl_2$ in 10 N HCl electrolytes with current yields

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

Electrochemical Dissolution of Palladium in Hydrochloric Acid

of about 100% is not possible. Corresponding to the obtained results the present authors conclude that the diphragm method is more reasonable for the industrial production of palladium chloride for the needs of the radio-electronic industry and palladium coatings. There are 2 figures, 2 tables, and 3 Soviet references.

SUBMITTED: February 17, 1960

Card 3/6

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

S/194/62/000/004/070/105
D295/D308

AUTHORS: Ryazanov, A. I., Vol'fson, A. I. and Chigrinova, G. D.

TITLE: The influence of ultrasonic oscillations on the process of anodic solution of palladium

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 4, 1962, abstract 4-5-40m (V sb. Primeneniye ul'traakust. k issled. veshchestva. no. 14, M., 1961, 139-143)

TEXT: It is established that ultrasonics intensify the process of anodic solution of palladium, owing to which it is possible to obtain more concentrated solutions of palladium chloride. A magnetostriction radiator, fed from a УЗГ-10 (UZG-10), is used. The frequency of the resonant oscillations of the radiator is 23 kc/s, and the area of the operating surface is 9 cm^2. 5 references. [Abstracter's note: Complete translation.]

Card 1/1

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

ACCESSION NR: AP4010481 S/0080/64/037/001/0084/0087

AUTHORS: Ryazanov, A. I.; Chigrinova, G. D.

TITLE: Electrochemical dissolution of bismuth in hydrochloric acid

SOURCE: Zhurnal prikladnoy khimii, v. 37, no. 1, 1964, 84-87

TOPIC TAGS: bismuth dissolution, bismuth chloride preparation, bismuth chloride dihydrate preparation, bismuth anode passivation, electrochemical solution of bismuth, bismuth electrolysis

ABSTRACT: An electrochemical method for obtaining $BiCl_3$, which is practical commercially and in the laboratory, was worked out. Optimum conditions for anodic solution of metallic bismuth: diaphragm method, using 6-8N HCl; current density of 10-3 amps/sq. dm.; the catholite is 10N HCl which is used as anolite in the following electrolysis cycle. $BiCl_3 \cdot 2H_2O$ can be crystallized by evaporating the HCl solution of $BiCl_3$. It was found that the cause of the passivation of bismuth anodes appears to be the result of concentrated polarization which causes hydrolysis in the pre-anodic layer, which in turn causes precipitation of the $BiCl_3$ on the bismuth anode.

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APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

ACCESSION NR: AP4010481

Orig. art. has: 2 Tables, 1 Figure and 2 Equations.

ASSOCIATION: None

SUBMITTED: 13Jun62 DATE ACQ: 14Feb64 ENCL: 00

SUB CODE: CH, MA NO REF SOV: 003 OTHER: 002

Card 2/2

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

AL'BREKHT, V.G., prof., doktor tekhn.nauk; RYAZANOV, A.N., inzh.; MONAKHOV, B.F., inzh.

Permissible train speeds in areas of track overhauling. Trudy NIIZHT no.31:44-64 '62. (MIRA 16:9)
(Railroads—Train speed) (Railroads—Maintenance and repair)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAZANOV, A. N., Cand Phys-Math Sci -- (diss) "Increase in resolving capacity of optical systems." Khar'kov, 1960. 15 pp; (Ministry of Higher and Secondary Specialist Education Ukrainian SSR, Khar'kov Order of Labor Red Banner State Univ im A. M. Gor'kiy); 150 copies; free; (KL, 25-60, 126)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

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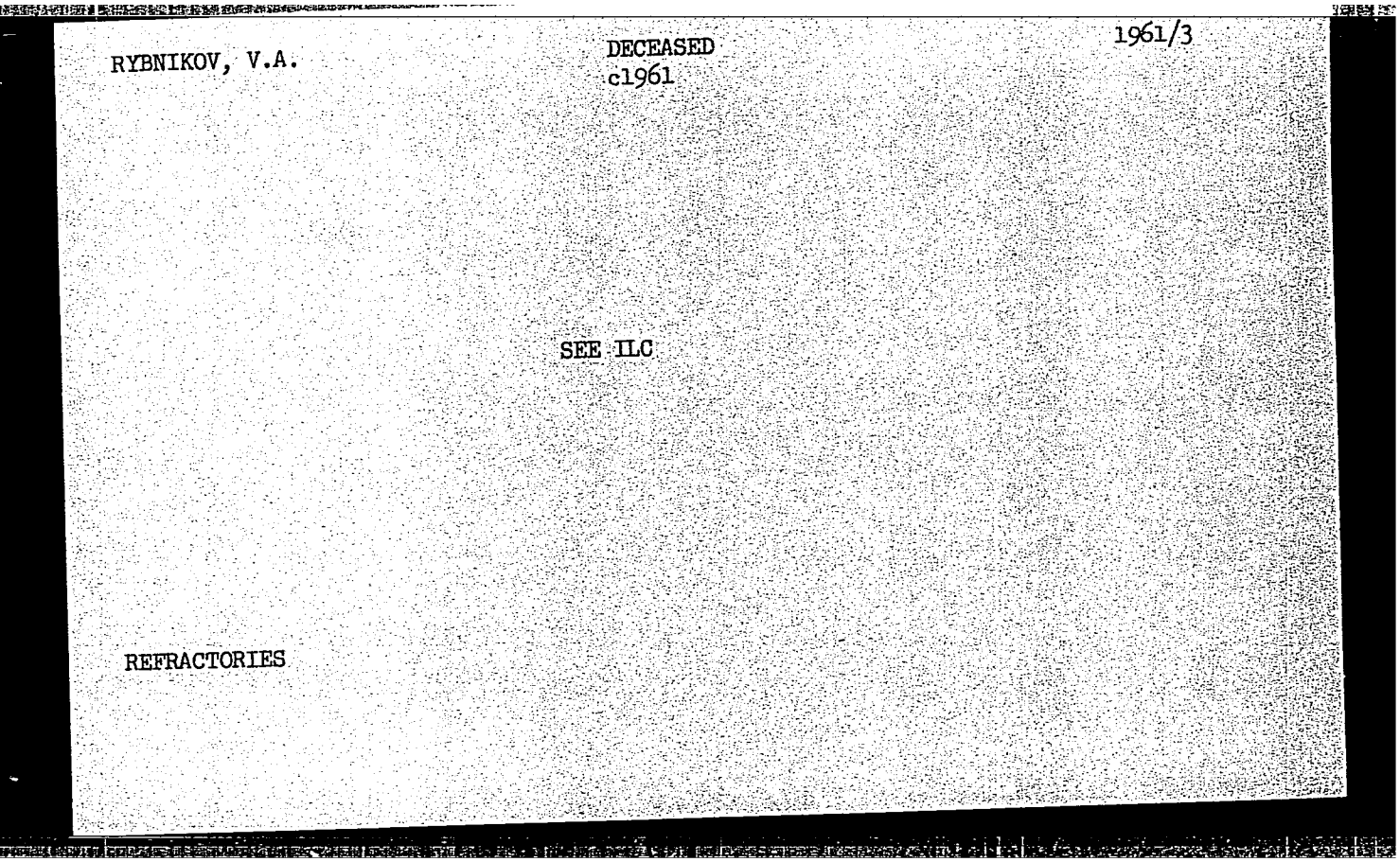

RYBNIKOV, V.A.

DECEASED
c1961

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SEE ILC

REFRACTORIES

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAZANOV, A.

AID P - 388

Subject : USSR/Aeronautics

Card 1/1 Pub. 135, 2/18

Author : Ryazanov, A., Col. of the Guard, Twice Hero of the Soviet Union

Title : Education of Masters of Air Combat

Periodical : Vest. vozd. flota, 8, 8-13, Ag 1954

Abstract : The author gives his definition of the "Master of air combat". He mentions names of war-time and recent jet fighter aces.

Institution : None

Submitted : No date

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAZANOV, A.

AID P - 772

Subject : USSR/Aeronautics

Card 1/1 Pub. 58 - 3/16

Author : Ryazanov, A., Twice Hero of the Soviet Union

Title : Soviet Aces

Periodical : Kryl. Rod., 10, 3-5, O 1954

Abstract : The author specifies the qualities which a Soviet air-force ace must prossess. He mentions names of several aces. Photos.

Institution : None

Submitted : No date

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

BOL'SHAKOV, I.F.; RYAZANOV, A.A.

Purpose, design, and operation of an IPI moisture trap. Izv.vys. ucheb.zav.;geol.i razv. 4 no.10:116-120 O '61. (MIRA 14:12)

1. Irkutskiy politekhnicheskiy institut.
(Boring machinery)
(Air-drying)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

18.5100

75962
SOV/133-59-10-23/39

AUTHORS: Malykh, L. I. (Candidate of Technical Sciences), Ryazanov, A. A. (Engineer)

TITLE: Oil-Film Bearings of Vertical Rolls of Rolling Mills

PERIODICAL: Stal', 1959, Nr 10, pp 926-929 (USSR)

ABSTRACT: A design of oil-film bearings was developed by the Central Scientific Research Institute of Technology and Machinery (TsNIITMASh) in cooperation with Elektrostal' Heavy Machinery Plant (Elektrostal'tyazhmashzavod) with the participation of Ivanov, M. D., Ryazanov, A. A., Kudryavtsev, N. A., Malykh, L. I. It is possible to create oil friction conditions in vertical slider-type bearings provided that: (a) friction surfaces are machined with adequate precision and surface finish; (b) clearance between roll and bearing is filled with lubricant; and (c) quality and quantity of fed lubricant as well as speed of sliding correspond to load. Experimental bearings were tested at Makeyevka Plant imeni Kirov (Makeyevskiy zavod imeni Kirova) in vertical stand "350" of a planetary

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

rolling mill with an estimated rolling force of 24.3 tons. A new set of pads and working rolls were made for experimental purposes. Lubrication characteristics: (1) pressure of lubricant feed before bearings, 0.8 to 0.9 kg/cm^2; (2) oil feed rate for each oil-film bearing, 0.25 dm^3/min; (3) oil temperatures in (a) tank, 55 to 60° C, (b) before bearings, 26 to 30° C, (c) after leaving bearings, 38 to 40° C; (4) oil-film bearing temperatures (at a depth of 4 mm from working surface), 30 to 33° C; (5) changes in lubricant in the system: (a) loss in lubricants, 10 dm^3 diurnally, (b) moisture, 0 to 4%, (c) soiling by admixtures, 0.005 to 0.05%. The usual consumption of lubricant is decreased by 10 times, confirming the thesis of Snegovskiy, F. P. [Ref 1 Vestnik mashinostroyeniya, 1957, Nr 4] that the lubricant passes primarily through the nonworking area and that actually very small amounts of oil are required for the formation of film. Advantages: (1) decreased need of repairs; (2) greater durability, resulting in increased rates of reduction and rolling; and (3) considerable decrease in cost. There are 5 figures; and 2 Soviet references.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

Oil-Film Bearings of Vertical Rolls of Rolling Mills

75962
SOV/133-59-10-23/39

ASSOCIATION: Central Scientific Research Institute of Technology and Machinery (TsNIITMASh) and Elektrostal' Heavy Machinery Plant (Elektrostal'tyazhmashzavod)

Card 3/3

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAZANOV, A.A.; BOL'SHAKOV, I.F.

Temperatures of flushing fluids when boring frozen ground. Izv.vys. ucheb.zav.; geol.i razv. 4 no.2:133-141 F '61. (MIRA 14:6)

1. Irkutskiy politekhnicheskiy institut.
(Frozen ground) (Boring)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

RYAZANOV, A. A.; IOFFE, YE. F.; MOS'KIN, V.S.; FEDOROV, P.G.

Electric Circuit Breakers

Rapid repairing of electric breakers. Elec. sta. 23 No. (1952) St. Master

Monthly List of Russian Accessions, Library of Congress, August, 1952. UNCLASSIFIED.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

SOV/122-59-3-17/42

AUTHORS: Fel'dshteyn, E.I., Doctor of Technical Sciences, Professor, Naumov, B.I., Candidate of Technical Sciences, Konyashov, V.V., and Ryazanov, A.I.

TITLE: Machinability of Cold-Drawn Steels on Automatic Lathes (Obrabatyvayemost' kholodnotyanutykh staley na tokarnykh avtomatakh)

PERIODICAL: Vestnik Mashinostroyeniya, 1959, Nr 3, pp 57-61 (USSR)

ABSTRACT: Turning and drilling trials were carried out on a number of cold-drawn steels of types frequently turned on automatic lathes for making automobile components. The ends of the bars were face turned with varying rates of cross feed using a constant 5 mm width of cut. An average diameter, d_{cp}, for which a constant speed of cutting for a given number of revolutions would show the same tool wear as with the variable cutting speed actually experienced, was calculated from formula (1). The index, k, in this formula is the tangent of the slope of the curve for tool life versus number of revolutions, when plotted on a logarithmic scale. Graphs of Figs 1 and 2 were constructed for tool life (minutes) versus average cutting velocity (metres/min) for different steels and different rates of cross feed. Using the cutting speed

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APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

Machinability of Cold-Drawn Steels on Automatic Lathes

at which a tool life of 100 minutes was obtained with the A.12 steel, at any given rate of feed, as an index equal to 1, the relative machinability of other cold-drawn steels can be compared as shown in Table 1. Formulae (3) and (4) give an approximate relation between cutting speed, tool life and cross feed for face turning of the A.12 or A.20 steels. Drilling tests were carried out similarly, but in this case for 20 minute life until the drill had become blunted by 0.7 mm; again using the A.12 steel as an index of 1, other steels are compared as shown in Table 2. Formulae (5) and (6) relate cutting speed to drill life, drill diameter and rate of feed. The tangential force on tools with straight, stepped, convex and concave profiles was measured when face turning at a constant speed of 30 metres/min. The results, expressed as force (kg) per mm of tool width, are tabulated for different rates of feed for various cold-drawn steels in Table 3. Force for the A.12 steel is about 25% less than for all other steels. Ball-bearing quality steel, ShKh-15, gave the best class of surface finish at rates of feed from 0.04 to 0.1 mm/rev. Finish deteriorates

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

S 0V/122-59-3-17/42

Machinability of Cold-Drawn Steels on Automatic Lathes

with increasing cutting speed from 10 to 40 metres/minute and then begins to improve again at higher cutting speeds.
There are 6 figures, 3 tables and 5 Soviet references.

Card 3/3

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

24, 180

S/058/62/000/003/058/092
A061/A101

AUTHORS: Ryazanov, A. I., Kudryavtsev, B. B.

TITLE: Problem of the depolarizing action of ultrasonics

PERIODICAL: Referativnyy zhurnal, Fizika, no. 3, 1962, 43, abstract 3G350 (Sb. "Primeneniye ul'traakust. k issled. veshchestva", no. 12, Moscow, 1960, 189-198)

TEXT: Ultrasonic vibrations in the electrolytic evolution of hydrogen under pulsed acoustic irradiation display a significant depolarizing action by reducing the electrode potential. The depolarizing effect diminishes with increasing current density, and does not depend on the electrode nature for the metals examined (Cu, brass, Ni, Fe). The depolarizing effect is determined by the amount of ultrasonic energy supplied to the electrolyzer per unit time.

[Abstracter's note: Complete translation]

Card 1/1

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

VOL'FSON, A.I.; RYAZANOV, A.I.; CHIGRINOVA, G.D.

Electrochemical dissolution of palladium in hydrochloric acid. Zhur. VKHO 5 no.6:712 '60. (MIRA 13:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh reaktivov.

(Palladium)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

S/058/62/000/004/081/160
A061/A101

AUTHORS: Ryazanov, A. I., Kudryavtsev, B. B.

TITLE: Problem of the depolarizing effect of ultrasonics

PERIODICAL: Referativnyy zhurnal, Fizika, no. 4, 1962, 39, abstract 4G323 (Sb. "Primeneniye ul'traakust. k issled. veshchestva", no. 13, Moscow, 1961, 219-239)

TEXT: The effect of a standing ultrasonic wave (21.3 kc) on electrode processes in the electrolytic recovery of hydrogen from 0.5 n.KON on an iron cathode was observed. The dependence of the cathode potential E for different intensities of ultrasonics (up to 0.5 w/cm^2), different densities of the electrolytic current (up to 15.7 ma/cm^2), and at various temperatures (20 - 60°C) was determined. At low intensities of ultrasonics, there was a slight linear drop of E with a rise of intensity. When a certain intensity (varying with current density) was attained, E dropped sharply (ΔE = 450 mv for a cathode potential of ~1,300 mv), and cavitation took place in the electrolyte. The sharp drop of E was not observed at high current densities, not even when the intensity of ultrasonics was the highest. The discontinuity of ΔE was independent of temperature.

Card 1/2

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2

Problem of the depolarizing effect of ultrasonics

S/058/62/000/004/081/160
A061/A101

The results are qualitatively explained from the viewpoint of the electrolysis theory.

L. Zarembo

[Abstracter's note: Complete translation]

Card 2/2

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001446320009-2"